

SAFETY DATA SHEET

Revised Date: 2013/06/07
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Part Number L9920BR

Product Name (Chemical Name, Trade Name, etc.) Reagent for preparing calibration solution
(for zero adjustment), sodium sulfite (Na_2SO_3)

Composition/Information on Ingredients

Single Product/Mixture Product: Single Product

Chemical Name (Synonyms): Sodium sulfite (Sodium sulfite anhydrous ; Sodium sulphite)

Ingredient /Content: $\geq 95.0\%$, 500g

Formula: Na_2SO_3

CAS No.: 7757-83-7

GHS Classification: Eye Damage/Irritation: Category 2B

Other Information: Refer to next page "Sodium Sulfite" MSDS

MATERIAL SAFETY DATA SHEET

MSDS No. EW190341
Revised Date: 2012/10/04

CODE: 190-03411, 192-03415, 192-14385, 195-03427, 198-03412, 198-03417, 198-14387, 199-03425

IDENTITY Sodium Sulfite

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTIFIER : Sodium Sulfite
MANUFACTURER : Wako Pure Chemical Industries, Ltd.
SUPPLIER : SUPPLIER(In JAPAN) : Wako Pure Chemical Industries, Ltd.
ADDRESS : 1-2, Doshomachi 3-chome, Chuo-ku, Osaka, 540-8605, Japan
TELEPHONE NUMBER & EMERGENCY TELEPHONE NUMBER: (06)6203-3741

SUPPLIER(In U.S.A.) : Wako Chemicals USA, Inc.
ADDRESS : 1600 Bellwood Road, Richmond, VA 23237, U.S.A.
TELEPHONE NUMBER : (804)271-7677
EMERGENCY TELEPHONE NUMBER : (800)424-9300 (CHEMTREC)

SUPPLIER(In EUROPE) : Wako Chemicals GmbH, Germany
ADDRESS : Fuggerstrasse 12 ,D-41468 Neuss, GERMANY
TELEPHONE NUMBER & EMERGENCY TELEPHONE NUMBER : (02131)311-0
RECOMMENDED USE : Research use only.

2. HAZARDS IDENTIFICATION

CLASSIFICATION: according to Regulation (EC)No 1272/2008
GHS CLASSIFICATION : Eye damage/Eye irritation: Category 2
PICTOGRAM :



WARNING

HAZARD STATEMENTS : H319 Causes serious eye irritation
PRECAUTIONARY STATEMENTS : P302+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
ANY NATIONAL OR REGIONAL INFORMATION : EUH031 Contact with acids liberates toxic gas.

EU CLASSIFICATION: according to Directive 67/548/EEC
R-phrase : R31 Contact with acids liberates toxic gas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY : Sodium sulfite
SYNONYMS : Sodium sulfite anhydrous ; Sodium sulphite
FORMULA : Na₂SO₃
MOLECULAR WEIGHT : 126.04
CAS NUMBER : 7757-83-7
TSCA INVENTORY : Listed
EINECS No. : 231-821-4
EC INDEX NUMBER : Not listed

4. FIRST AID MEASURES

GENERAL ADVICE : Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.
INHALATION : Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.
SKIN CONTACT : Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.
EYE CONTACT : Remove any contact lenses at once. Flush eyes well with flooding amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.
INGESTION : Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Consult a physician.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Not combustible. Use extinguishing media appropriate to the surrounding fire
FIRE & EXPLOSION HAZARDS : Toxic and irritating dust, fumes or smoke may be emitted.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS : Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS : Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS : Prevent spills from entering sewers, watercourses or low areas.

METHODS FOR CLEANING UP : Do not touch spilled material without suitable protection(See section 8). After material is completely picked up, wash the spill site with soap and water and ventilate the area. Put all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose of contaminated clothing.

7. HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING : Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Handle material with suitable protection.

CONDITIONS FOR SAFE STORAGE : Store away from sunlight in well-ventilated dry place at room temperature (preferably cool place). Keep container tightly closed.

INCOMPATIBILITIES : Strong acids and oxidizers

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES : Use exhaust ventilation to keep airborne concentrations below exposure limits. Use only with adequate ventilation.

VENTILATION : Local Exhaust ; Necessary, Mechanical(General) ; Recommended

INDIVIDUAL PROTECTION MEASURES :

Respiratory protection : Use a NIOSH/MSHA or European Standard EN149 approved respirator if the vapor concentrations exceed regulatory guidelines.

Hand protection : Chemical resistant gloves

Eye protection : Safety glasses(goggles)

Skin protection : Protective clothing

CONTROL PARAMETER :

OSHA Final Limits : None established

ACGIH TLV(s) : None established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : White, crystalline powder - powder

ODOUR : Not available

pH : 9.0 - 11.0 (50g/l solution, at 25 °C= 77 °F)

MELTING POINT : Not available

INITIAL BOILING POINT : Not available

FLASH POINT : Not available

FLAMMABILITY (solid, gas) : Not available(Nonflammable)

EXPLOSIVE LIMITS : Not available

VAPOR PRESSURE : Not available

SPECIFIC GRAVITY : 2.633

SOLUBILITY IN ;

WATER : Freely soluble (13.9g/100mL at 0 °C= 32 °F)

ALCOHOL : Insoluble

PARTITION COEFFICIENT (log Po/w) :-4

DECOMPOSITION TEMPERATURE : Not available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY : Stable under recommended storage conditions. The substance decomposes on heating producing toxic and corrosive fumes.

POSSIBILITY OF HAZARDOUS REACTIONS : The substance is a strong reducing agent and reacts violently with oxidants. Reacts with strong acids to produce toxic sulfur oxides.

CONDITIONS TO AVOID : Sunlight, heat, strong acid

INCOMPATIBLE MATERIALS : Strong acids and oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS : Sulfur oxides, sulfur dioxide and sodium compounds

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY(oral/dermal/inhalation) : LD50(oral,rat): 3560mg/kg (RTECS)
LD50(oral,mouse): 820mg/kg (RTECS)
LD50(ipr,mouse): 950mg/kg(RTECS)
LD50(ihl,rat): >5500mg/m³/4H

SKIN CORROSION/IRRITATION : May cause skin irritation.

EYE DAMAGE/EYE IRRITATION : May cause eye irritation.

RESPIRATORY OR SKIN SENSITIZATION : Not available

GERM CELL MUTAGENICITY : Mutation test system; human; lymphocyte; 100µmol/L (RTECS)
Cytogenetic analysis; mouse; cells; 25mg/L (RTECS)

REPRODUCTIVE TOXICITY : Not available
STOT (SINGLE EXPOSURE) : Not available
STOT (REPEATED EXPOSURE) : Not available
ASPIRATION HAZARD : Not available
CARCINOGENICITY : Not available
ADDITIONAL INFORMATION ;
NTP : Not listed
IARC : Not Classifiable as to Carcinogenicity to Humans (Group 3)
OSHA : Not listed
ACGIH :Not listed
EPA GENETOX PROGRAM 1988, Positive: S cerevisiae-reversion

12. ECOLOGICAL INFORMATION

ECOTOXICITY : TLm(mosquito fish) : 2600ppm/24hr
LC50(Leuciscus idus): 220-460mg/L/96hr (BASF AG Ludwigshafen)
TLm(daphnids): 299mg/L/25hr (BASF AG Ludwigshafen)
PERSISTENCE AND DEGRADABILITY :Not available
BIOACCUMULATION POTENTIAL : Not available
MOBILITY IN SOIL : Not available
OTHER ADVERSE EFFECTS : WGK; 1

13. DISPOSAL CONSIDERATION (INCLUDING CONTAINER)

Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmental agency for specific rules).

After contents are completely removed, the container in accordance with local/regional/national/international regulation.

14. TRANSPORT INFORMATION

IATA : Not Restricted.
MARINE POLLUTANT : No
DOT(Department of Transportation) :Not a Hazardous Material for DOT shipping.

15. REGULATORY INFORMATION

EU REGULATIONS:
Labelling according to EC Directives: See Section 2

US REGULATIONS ;
EPA : CERCLA RQ= Not listed
EPCRA TPQ= Not listed\
FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION
FIFRA 1998 Cancelled
OSHA :TQ= Not listed
HMIS : HR= health-1, flam.-0, react.-1

EU REGULATIONS: Labelling according to EC Directives
HAZARD STATEMENTS, including R-phrase :
R31 Contact with acids liberates toxic gas.

16. OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

No specific notes

The above information is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide. This product is intended to be used by expert persons having chemical knowledge and skill, at their own discretion and risk and Wako shall not be held liable for any damageresulting from handling or from contact with the above material.